

PHILIP MORRIS USA
RESEARCH AND DEVELOPMENT DEPARTMENT

GERMANY TEST #154

MR6-06IG
ML6-06IG

DISTRIBUTION

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GERMANY TEST #154

The following cigarette brands from Germany (Berlin) were received at R & D and submitted for analyses on April 20, 1976. These cigarettes were of March, 1976 production.

Marlboro King Size 20's (Box) - West Germany
Marlboro Lights King Size 20's (Box) - West Germany

The Marlboro king size cigarettes were not different from the previous average in any of the parameters tested.

The Marlboro Lights king size cigarettes were not different from the previous average in any of the parameters tested.

	Marlboro King Size 20's (Box) Berlin-West Germany			(Soft Pack)	Marlboro Lights King Size 20's (Box) Berlin-West Germany			(Soft Pack)
	Current	Prev. Avg.	U.S. ²		Current	Prev. Avg.	U.S. ²	
<u>Smoke</u>								
Butt Length, mm	27	27	28		27	27	33	
FTC Tar, mg/cigt.	15.6	16.9	17.4		15.5	14.0	12.8	
TPM, mg/cigt.	19.1	20.6	21.9		18.4	16.8	15.3	
Nicotine, mg/cigt.	1.02	1.08	1.09		0.78	0.75	0.85	
Water, mg/cigt.	2.5	2.6	3.4		2.1	2.0	1.6	
Puffs/cigt.	9.1	9.4	8.7		8.6	8.7	7.9	
Filtration Eff., %	47	46	47		49	46	47	
<u>Cigarette</u>								
Total RTD, in. of H ₂ O	4.4	4.5	4.8		5.0	4.6	3.7	
mm of H ₂ O	112	114	122		127	117	94	
Static Burn. Time, min.	6.8	7.8	7.6		6.6	7.1	7.2	
Length, mm	84.7	84.9	84.5		84.1	84.3	84.1	
Circumference, mm	25.2	25.1	25.0		25.2	25.1	25.1	
Diameter, mm	8.0	8.0	8.0		8.0	8.0	8.0	
<u>Paper</u>								
Porosity, sec.	8	8 ¹	20		13	14	12	
<u>Filter</u>								
RTD, in. of H ₂ O	2.7	2.7	2.9		3.0	2.7	2.5	
mm of H ₂ O	69	69	74		76	69	64	
Length, mm	19.9	20.0	20.9		19.9	19.9	25.1	
Weight, g	0.13	0.13	0.15		0.14	0.14	0.31	
Tipping paper length, mm	24	24	25		24	24	30	
<u>Filler</u>								
Total alkaloids, %	1.49	1.44	1.48		1.10	1.07	1.51	
Total reducing sugars, %	9.7	9.5	6.6		9.3	8.9	6.3	
Wt. of tob., 1,000 cigts., g	843	853	760		846	847	720	
1,000 cigts., lbs.	1.8563	1.8792	1.6736		1.8628	1.8656	1.5356	
Rod Density, g/cc	0.257	0.262	0.246		0.261	0.262	0.244	
C.V., cc/10 g	32	33	35		34	33	36	
C.V., cc/10 g (Corrected to 11% O.V.)	35	35	40		36	35	40	
Oven Volatiles, %	12.8	12.6	13.7		12.6	12.6	13.2	

¹Equilibrated at 75°F and 60% R.H. for 48 hrs.

²Data from C.I. No. 4-76.

³Results of Test #151, dated April 5, 1976, where a change was noted.

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